

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A composition comprising

(a) a nucleic acid molecule encoding a fusion protein comprising

(aa) a (poly)peptide that enhances solubility and/or prevents aggregation of said fusion protein; and

(ab) an amyloidogenic (poly)peptide that has the ability to self-assemble into amyloid-like fibrils or protein aggregates, wherein connection of polypeptides (aa) and (ab) is via a linker or by a direct attachment, and wherein at least one of the linker, (poly)peptide (aa) and (poly)peptide (ab) includes a cleavable site, and wherein said amyloidogenic (poly)peptide self-assembles subsequent to release from said fusion protein,

(b) a vector containing the nucleic acid molecule of (a);

(c) a host transformed with the vector of (b); and/or

(d) a fusion protein encoded by the nucleic acid of (a) or a functional derivative thereof;
and/or

(e) an antibody specific for the fusion protein of (d).

2. (Original) The composition of claim 1 wherein the amyloidogenic (poly)peptide comprises a polyglutamine expansion.

3. (Original) The composition of claim 2 wherein said polyglutamine expansion comprises at least 35 glutamines.

4. (Original) The composition of claim 3 wherein said polyglutamine expansion comprises at least 51 glutamines.

5. (Original) The composition of any one of claims 2 to 4 wherein said (poly)peptide defined in (ab) is huntingtin, androgen receptor, atropin, TATA binding protein, or ataxin-1,-2,-3, -6 or -7 or a fragment or derivative thereof.

6-7. (Cancelled)

8. (Currently Amended) The composition of ~~any one of claims~~ claim 1 to 7 wherein said (poly)peptide defined in (aa) is glutathione S-transferase (GST), intein, thioredoxin, dihydrofolate reductase (DHFR) or chymotrypsin inhibitor 2 (C12) or a functional fragment or derivative thereof.

9. (Currently Amended) The composition of ~~any one of claims~~ claim 1 to 8 wherein said nucleic acid is DNA.

10. (Currently Amended) The composition of ~~any one of claim~~ 1 to 9 wherein said vector is an expression vector or a gene targeting vector.

11. (Currently Amended) The composition of ~~any one of claims~~ claim 1 to 10 wherein said host is a bacterial, preferably an E.coli, an animal cell, preferably a mammalian cell, an insect cell, a plant cell , a fungal cell, preferably a yeast- and most preferably a Saccharomyces or Aspergillus cell, a Pichia pastoris cell, a transgenic animal cell or a transgenic plant cell.

12-23. (Cancelled)